

Converting Colors

$Y_{xy}(31.4210, 0.5092, 0.3863)$

Have a look what the booklet for
Yxy(31.4210, 0.5092, 0.3863)
contains.

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Color

Yxy(31.3462, 0.5095, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	E9793E
RGB	233, 121, 62
RGB Percent	91%, 47%, 24%
CMY	0.0863, 0.5255, 0.7570
CMYK	0.00, 0.48, 0.73, 0.09
HSL	21°, 80%, 58%
HSV	21°, 73%, 91%
XYZ	41.3111, 31.3462, 8.4244
YIQ	147.7620, 85.6910, 5.3950

Conversions

Conversions Part 2

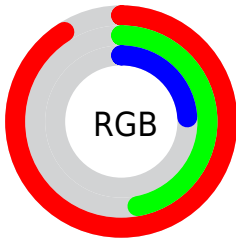
Format	Color
R _Y B	233, 152, 62
Decimal	15300926
CIE Lab	62.80, 39.09, 50.64
CIE LCh	63, 63.973, 52.330
Yxy	31.3462, 0.5095, 0.3866
Android (android.graphics.Color)	4293491006 (0xFFE9793E)
YUV	147.7620, -42.2807, 74.7537
Hunter-Lab	55.9877, 33.7298, 30.2701

Details

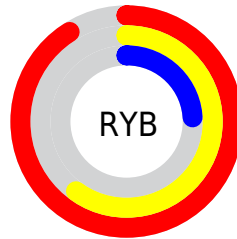
The Yxy color **31.3462, 0.5095, 0.3866** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **37.1612, 0.2099, 0.2452**, and the grayscale version is **29.6623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0898, 0.4406, 0.3932**, and **13.0580, 0.5620, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **27.7250, 0.5430, 0.3851**, and if you desaturate by 10%, it is **35.6668, 0.4743, 0.3836**.

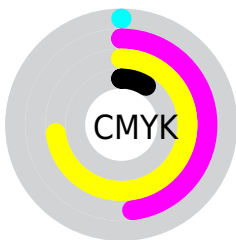
Distribution



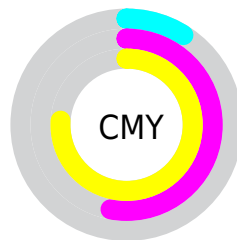
- Red (91%)
- Green (47%)
- Blue (24%)



- Red (91%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (48%)
- Yellow (73%)
- Black (9%)





- Cyan (9%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3462, 0.5095, 0.3866 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.3462, 0.5095, 0.3866 by changing the saturation by 10% instead.


 31.3462, 0.5095,
0.3866


 31.3462, 0.5095,
0.3866


308.1301, 0.4080,
0.3669

 20.8626, 0.5335,
0.3871


 61.7847, 0.4731,
0.3824


 13.0236, 0.5626,
0.3849

 82.5084, 0.4591,
0.3799


 7.4448, 0.6003,
0.3787


 107.4143, 0.4473,
0.3774

 3.7418, 0.6409,
0.3591

 136.8868, 0.4372,
0.3750

 1.5302, 0.6836,
0.3164

 171.3102, 0.4284,
0.3727

 0.3098, 0.8097,
0.1903

 211.0689, 0.4207,

 0.0000, 1.0000,

0.3706

0.0000

256.5475, 0.4140,
0.3687

■ 0.0000, 0.0000,
0.0000

■ 31.3462, 0.5095,
0.3866

■ 31.3462, 0.5095,
0.3866

■ 27.7250, 0.5430,
0.3851

■ 35.6668, 0.4743,
0.3836

■ 24.7555, 0.5716,
0.3784


■ 40.7198, 0.4401,
0.3773

■ 23.1257, 0.5872,
0.3720


■ 46.5419, 0.4086,
0.3690

■ 53.1656, 0.3807,
0.3597

■ 60.6213, 0.3564,
0.3501

 68.9378, 0.3357,
0.3408

 78.1423, 0.3181,
0.3319

 88.2609, 0.3031,
0.3236

 96.0642, 0.2993,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.3462, 0.4898, 0.3183



31.3462, 0.5095, 0.3866



31.3462, 0.4677, 0.4568

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.3462, 0.5095, 0.3866



31.3462, 0.2124, 0.4154



31.3462, 0.2169, 0.1855

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.3462, 0.5095, 0.3866



37.1612, 0.2099, 0.2452

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.3462, 0.1657, 0.1881



31.3462, 0.5095, 0.3866



31.3462, 0.1612, 0.3013

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.3462, 0.5095, 0.3866



31.3462, 0.2959, 0.5053



31.3462, 0.1472, 0.2235



31.3462, 0.3025, 0.2098

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.3462, 0.5095, 0.3866



31.3462, 0.4177, 0.4971



31.3462, 0.1472, 0.2235



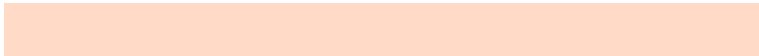
31.3462, 0.1960, 0.1832

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.3479, 0.5095, 0.3866



75.6601, 0.3536, 0.3489



23.8991, 0.3907, 0.2163



15.6306, 0.3597, 0.3515



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3479, 0.5095, 0.3866



32.0961, 0.5581, 0.3824



61.0933, 0.4300, 0.4676



15.9043, 0.3284, 0.3372



13.3299, 0.5844, 0.3742



1.2204, 0.5577, 0.3954

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.1612, 0.2099, 0.2452



39.1604, 0.1979, 0.2251



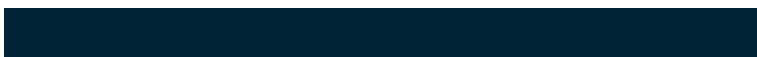
14.2975, 0.1797, 0.1260



16.1956, 0.2981, 0.3207



16.4246, 0.1923, 0.2121



1.4679, 0.1973, 0.2302

Previews

White Background



This preview shows how the Yxy color 31.3462, 0.5095, 0.3866 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.3462, 0.5095, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3462, 0.5095, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 31.3462, 0.5095, 0.3866.



This preview shows how white text looks on a background with the Yxy color 31.3462, 0.5095, 0.3866.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.3462, 0.5095, 0.3866

Protanopia

31.6724, 0.4063, 0.4454

Deuteranopia

31.4835, 0.4474, 0.4392



Tritanopia

31.2726, 0.4525, 0.3207

Trichromacy



Original Color

31.3462, 0.5095, 0.3866

Protanomaly

30.6736, 0.4446, 0.4221

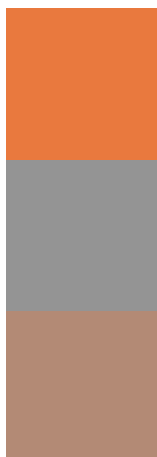
Deuteranomaly

31.0356, 0.4720, 0.4182

Tritanomaly

31.3048, 0.4766, 0.3476

Monochromacy



Original Color

31.3462, 0.5095, 0.3866

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.0450, 0.3826, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3462, 0.5095, 0.3866 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(233, 121, 62)` looks like.

```
.text, #text, p{  
    color:rgb(233, 121, 62)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(233, 121, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 121, 62) }
```

Border

The CSS property to change the border of an element to Yxy 31.3462, 0.5095, 0.3866 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 121, 62) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(233, 121, 62) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(233, 121, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 121, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 121, 62);  
box-shadow:4px 4px 4px 4px rgb(233, 121,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3462, 0.5095, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 121, 62) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(233,  
121, 62) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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